

CV for Tine Hald (b. 1969)

Degrees:

- 2001 Ph.D. (Veterinary Epidemiology), Royal Veterinary and Agricultural University, Copenhagen, Denmark.
- 1996 Business Administration (HD), part I, HHC Business School Centre, Slagelse, Denmark
- 1994 DVM, Royal Veterinary and Agricultural University, Denmark

Positions:

- 2008 - Head of Research Unit of Epidemiology and Risk Modeling, Division of Microbiology and Risk Assessment, National Food Institute, Technical University of Denmark
- 2007 – 2008 Head of Section of the Danish Zoonosis Centre, Dep. of Microbiology and Risk Assessment, National Food Institute, Technical University of Denmark
- 2004 – 2006 Head of Section of the Danish Zoonosis Centre, Department of Epidemiology and Risk Assessment, Danish Institute for Food and Veterinary Research
- 2003 – 2003 February – October: Maternity leave
- 2001 – 2003 Research epidemiologist and Deputy Head of Centre, Danish Zoonosis Centre, Danish Veterinary Institute (previously DVL)
- 1996 – 2001 Research assistant and Ph.D. student at the Danish Zoonosis Centre, Danish Veterinary Laboratory (DVL)
- 1995 – 1996 Veterinary advisor in the Department of Zoonoses Control, Danish Bacon & Meat Council, Copenhagen, Denmark.
- 1995 Food Inspector, the Municipal Food and Environmental Laboratory, Aalborg.
- 1994 Food Inspector, the Municipal Food and Environmental Laboratory, Slagelse.

Research Area:

Tine Halds main research area is the epidemiology, surveillance and control of foodborne and zoonotic hazards in the whole production chain with particular focus on the development of methods for source attribution. Tine is leading a small group of scientists. Activities involve the planning and performance of risk factor studies, spatial-temporal analysis and quantitative risk modelling. A main responsibility is to give scientifically-based advice to veterinary and food authorities, farmers' and consumers organisations, and international organisations e.g. EFSA and WHO.

Memberships of scientific committees, review:

Participation in expert panels, consultations, working groups, committees or similar

- Reappointed as member of the EFSA expert panel on [Biological Hazards](#) (BIOHAZ) (2012 -)
- Member of BIOHAZ Working Group on risk assessment of extending the shelf life of eggs (2013 -)
- Member of BIOHAZ Working Group on molecular typing methods (2012 -)
- Core member of the [WHO's Foodborne Disease Burden Epidemiology Reference Group](#) (FERG) and Chair of the FERG Task Force on human illness source attribution (2007 -)
- Member of BIOHAZ Working Group on food of non-animal origin (2012 - 2013)
- Member of BIOHAZ Working Group on meat inspection in small ruminant (2011 - 2013)
- Member of BIOHAZ Working Group on risk ranking (2011 - 2012)
- Member of BIOHAZ Working Group on review of the EU Summary Report on Zoonoses (2011 - 2012)
- Member of BIOHAZ Working Group on experiences using QMRA modelling (2011 - 2012)
- Chairing BIOHAZ Working Group on Meat Inspection in Poultry (2011 - 2012)
- Member of BIOHAZ Working Group on setting EU targets for Salmonella in turkeys (2011 - 2012)
- Member of Scientific Committee Working Group on Risk Terminology (2010-2012)
- Representing the National Food Institute in the [MedVetNet Association](#) (2010 - 2011)

- Chairing BIOHAZ Working Group on setting EU targets for Salmonella in broilers (2009 - 2011)
- Appointed as member of the EFSA expert panel on Biological Hazards (BIOHAZ) (2009 - 2012)
- EFSA Working Group (Zoonosis Unit) on analysis of the Salmonella baseline study in pig breeding herds and related contract work regarding the analysis of the Salmonella serovar distribution (2009 - 2011)
- EFSA Working Group (Zoonosis Unit) on analysis of the Salmonella baseline study in broiler carcasses and related contract work regarding the analysis of the Salmonella serovar distribution (2009 - 2011)
- Member of BIOHAZ Working Group on setting EU targets for Salmonella in laying hens (2009 - 2010)
- Organiser and chair of a session on food attribution at the FoodMicro conference 2008 (2008)
- Member of BIOHAZ Working Group on human-illness attribution of foodborne disease (2008)
- Member of BIOHAZ Working Group on Risk Assessment of Salmonella in meat (2007 - 2008)
- Representing the National Food Institute in the MedVetNet Coordinating Forum (2006 - 2009)
- EFSA Working Group (Zoonosis Unit) on analysis of the Salmonella baseline study in broilers (2006 - 2007)
- FAO/WHO Consultation on "Development of Practical Risk Management Strategies based on Microbiological Risk Assessment Outputs (Kiel3)", 3-7 April 2006, Kiel, Germany.
(http://www.who.int/foodsafety/publications/micro/MRA_Outputs.pdf)
- EFSA Working Group (Zoonosis Unit) on analysis of the Salmonella baseline study in laying hens (2005 - 2006)

Ad hoc reviewer for

- PLOS
- Risk Analysis
- Clinical Infectious Diseases
- International Journal of Food Microbiology
- Emerging Infectious Diseases Journal
- Epidemiology and Infection
- Foodborne Pathogens and Diseases
- International Journal of Risk Assessment & Management
- Journal of Applied Microbiology
- Revue de Medecine Vétérinaire

Society memberships

- 2002-present: Society for Risk Analysis (www.sra.org)
- 1997-present: International Society for Veterinary Epidemiology and Economics (www.isvee.org)
- 1996-present: Nordic Society for Veterinary Epidemiology (www.nosovo.org)

Web of Science journal publications: 29

Citations: 636

H.index: 13

Other publications:

- Around 95 contributions to scientific opinions and scientific reports published by the European Food Safety Authority (<http://www.efsa.europa.eu/en/publications.htm>) (list not included)
- More than 100 other publications incl. conference proceedings, abstracts, reports, etc. (list not included)

Books:

- Hald T (2013). "Pathogen updates: *Salmonella*" in *Advances in Microbial Food Safety*, Volume 1. Ed. Sofos J. Woodhead Publishing Ltd., Cambridge, UK. ISBN 0 85709 438 6; ISBN-13: 978 0 85709 438 4
- Hald T (2013). "*Salmonella*: Disease burden and sources of infection" in *Food Associated Pathogens*. Eds. Tham W & Danielsson Tham ML. Science Publishers/CRC Press, Boca Raton, FL, USA.

- Hald T, Wegener HC (2013). “*Salmonella* – epidemiology and public health impact” in *Foodborne Infections and Intoxications*, 4th edition. Eds. Morris G & Potter M. Elsevier, Academic Press. ISBN 97801244160415.
- Hald T and S M Pires (2011). “Attributing the burden of foodborne disease to specific sources of infection” in *Tracing pathogens in the food chain*. Eds. S Brul, P M Fratamico and T A McMeekin. Woodhead Publishing Series in Food Science, Technology and Nutrition No. 196. ISBN 1 84569 496 1.
- Hald T., Kabell S., Madsen M., 2002. The influence of type of production on the occurrence of *Salmonella* in the Danish table-egg production. In: Food safety assurances in the pre-harvest phase, Smulders, FJM and Collins, JD (Eds.). Food safety assurance and veterinary public health, Vol 1, p.276-278, ISBN 9076998051.
- Hald, T., Wegener, H.C., Borck, B., Lo Fo Wong, D.M.A., Baggesen, D.L., Madsen, M., Korsgaard, H., Ethelberg, S., Gerner-Smidt, P., Mølbak, K., 2004. The Integrated Surveillance of *Salmonella* in Denmark and the Effect on Public Health. In: Risk management strategies: monitoring and surveillance, Smulders, J.M., Collins, J.D. (Eds.). Food safety assurance and veterinary public health, Vol 3, ISBN 9076998078.
- Hald, T., 2001: *Salmonella* in pork - Epidemiology, control and the public health impact. Ph.D. thesis ISBN 87-988315-2-6, Royal Veterinary and Agricultural University, Copenhagen, Denmark.

Supervision of PhDs, 2009 – present (ongoing og finished in 2009 or later):

Ongoing	Pathogen Reduction Modeling in Wastewater Stabilization Ponds (WSP) for QMRA of Farm Produce with Effluents from WSP (tentative title) (co-supervisor)
2014	The interaction between human antimicrobial use and the risk of foodborne zoonotic bacteria
2013	A multi-country approach to attribute human salmonellosis to animal reservoirs: global perspectives and application of surveillance data from the European Union
2012	Campylobacter in Denmark – Control, human risk and source attribution (co-supervisor)
2012	Risk assessment of antimicrobial usage in Danish pig production on the human exposure to antimicrobial resistant bacteria from pork
2009	Attributing human salmonellosis and campylobacteriosis to food, animal and environmental sources

Grants, 2009 – present (ongoing or finished in 2009 or later):

2013 – 2018	Consortium partner and work package leader in the EU project (FP7) EFFORT : Ecology from Farm to Fork Of microbial drug Resistance and Transmission.
2010 – 2014	Project manager of a project entitled “Future approach for <i>Salmonella</i> source attribution”. Granted by Direktoratet for Fødevareerhverv (DFFE).
2011 – 2013	Project manager of a project entitled “Development of a flexible user-friendly interface version of the <i>Salmonella</i> source attribution model for evaluating EU targets in the turkey production and use for future source attribution assessments”. Granted by the European Food Safety Authority (EFSA).
2010 – 2011	Project manager of a project on analysing the <i>Salmonella</i> Source Attribution in the EU. Granted by EFSA.
2009 – 2010	Project manager of a project on analysing the <i>Salmonella</i> serovar distribution in animals and food in the EU. Granted by EFSA.
2008 – 2009	Consortium partner in a project performing a quantitative microbial risk assessment of <i>Salmonella</i> in pigs and pork in the EU. Granted by EFSA.
2006 – 2009	Manager of a MedVetNet project on human illness attribution involving 9 MS and 13 institutes. Granted by the EU (FP6).

Research collaboration with industry, 2009 – present:

2013 – 2018	EU project (FP7) EFFORT : Ecology from Farm to Fork Of microbial drug Resistance and Transmission. Involves several Danish and international private companies .
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Include the titles of 5 selected publications

1. Boysen, L, H. Rosenquist, J. T. Larsson, E. M. Nielsen, G. Sørensen, S. Nordentoft and T. Hald (2013). Source attribution of human campylobacteriosis in Denmark. *Epidemiology and Infection*, published online: 30. October 2013. DOI: <http://dx.doi.org/10.1017/S0950268813002719>.
2. Pires SM, Vigre H, Makela P, Hald T., 2010. Using Outbreak Data for Source Attribution of Human Salmonellosis and Campylobacteriosis in Europe. *Foodborne Pathog Dis.* 7(11):1351-1361.
3. Sara M. Pires, Eric G. Evers, Wilfrid van Pelt, Tracy Ayers, Elaine Scallan, Frederick J. Angulo, Arie Havelaar, Tine Hald. Attributing the human disease burden of foodborne infections to specific sources. *Foodborne Pathogens and Diseases*, May 2009, 6(4), 417-424.
4. T. Hald, D. M. A. Lo Fo Wong, F. M. Aarestrup, 2007. The attribution of human infections with antimicrobial resistant Salmonella bacteria in Denmark to sources of animal origin. *Foodborne Pathogens and Disease* 4(3): 313-326.
5. Hald T, D Vose, HC Wegener, T Koupeev, 2004. A Bayesian Approach to Quantify the Contribution of Animal-Food Sources to Human Salmonellosis. *Risk Analysis* Feb, 24(1): 251-65